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**TRANSMITTAL
FORM**

(to be used for all correspondence after initial filing)

Total Number of Pages in this Submission

4

Application Number

10/721,030

Filing Date

November 24, 2003

First Named Inventor

Larry A. Sparling

Group Art Unit

Examiner Name

Dorothy Riley

Attorney Docket Number

IS01246AP

ENCLOSURES

(check all that apply)

☐ Fee Transmittal Form☐ Fee Attached☐ Amendment/Reply☐ After Final☐ Affidavits/Declaration(s)☐ Extension of time Request☐ Express Abandonment Request☒ Information Disclosure Statement☐ Certified Copy of Priority Documents☐ Response to Missing Parts/
Incomplete Application☐ Response to Missing Parts
Under 37 CFR 1.52 or 1.53☐ Assignment Papers
(for an Application)☐ Drawing(s)☐ Licensing-Related papers☐ Petition☐ Petition to Convert to a
Provisional Application☐ Power of Attorney, Revocation,
Change of Correspondence
Address☐ Terminal Disclaimer☐ Request for Refund☐ CD, Number of CDs☐ After Allowance

Communication to Group

☐ Appeal Communication to Board
of Appeals and Interferences☐ Appeal Communication to Group
(Appeal Notice, Brief, Reply Brief)☐ Proprietary Information☐ Status Letter with appropriate copies☐ Other Enclosure(s) (please identify below)☐ Response to Restriction Requirement☐ Associate Power of Attorney☐ RCE☐ Copy of Notice to File Missing Parts

Remarks

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENTFirm or
Individual

Thomas V. Miller

Registration No.

42,002

Signature

Date

4/27/05

CERTIFICATE OF TRANSMITTAL/MAILING

I hereby certify that this correspondence is being facsimile transmitted to facsimile number _____ or deposited with the United States Postal Service with sufficient postage thereon, as first-class mail, in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313 on the date listed below:

Typed or printed name

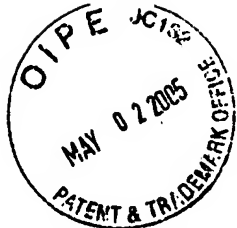
Rowena I. Radtke

Signature

Rowena I. Radtke

Date

4/27/05



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: Sparling et al
Application No.: 10/721,030
Date Filed: November 24, 2003
Attorney Docket No.: IS01246AP
Title: PRINTED CIRCUIT BOARD FOR A THREE-PHASE POWER DEVICE
HAVING EMBEDDED DIRECTIONAL IMPEDENCE CONTROL CHANNELS

Group Art Unit:
Examiner: Dorothy Riley

INFORMATION DISCLOSURE STATEMENT (IDS)

Commissioner For Patents
P.O. Box 1450
Alexandria, VA 22313

SIR:

In accordance with 37 C.F.R. §1.56 and in compliance with 37 C.F.R. §§1.97 and 1.98, the references listed on attached Form PTO/SB/08 and/or subsequently identified herein, are for consideration by the United States Patent and Trademark Office. Pursuant to the Office waiving the requirement under 37 CFR 1.98 (a)(2)(i) for submitting a copy of each cited U.S. patent and each U.S. patent application publication for all U.S. national patent applications filed after June 30, 2003 and for all international applications that have entered the national stage under 35 USC §371 after June 30, 2003, copies of the reference are not submitted herewith.

I. ☒ THIS IDS IS BEING FILED UNDER 37 C.F.R. §1.97(b)-(d): (check only one box)

- a. ☒ within three months of the filing date of a national application other than a continued prosecution application under § 1.53(d); within three months of the date of entry of the national stage as set forth in § 1.491 in an international application; before the mailing date of a first Office Action on the merits; and/or before the mailing date of a first Office Action after the filing of a request for continued examination under § 1.114. No fee or statement is required.
- b. ☐ before the mailing date of any of a Final Office Action under 37 C.F.R. §1.113, a Notice of Allowance under 37 C.F.R. §1.311, or an action that otherwise closes prosecution in the application. Petition fee set forth in §1.17(p) is required unless a statement under 37 C.F.R. §1.97(e) is provided.
- c. ☐ on or before payment of the issue fee. Petition fee set forth in §1.17(p) and a statement under 37 C.F.R. §1.97(e) are required.

II. ☒ STATEMENT UNDER 37 C.F.R. §1.97(e) (check only one box, if applicable)

The undersigned hereby states that

- a. ☒ each item of information contained in the IDS was cited in a communication from a foreign Patent Office in a counterpart foreign application not more than three months prior to the filing of IDS; or
- b. ☐ no item of information contained in the IDS was cited in a communication from a foreign Patent Office in a counterpart foreign application, and to knowledge of the person signing the statement after making reasonable inquiry, no item of information contained in the IDS was known to any individual designated in 37 C.F.R. 1.56(c) more than three months prior to the filing of this statement, or
- c. ☐ some of the items of information contained in the IDS were cited in a communication from a foreign Patent Office. As to this information, the undersigned states that each item of information contained in the IDS was cited in a communication from a foreign Patent Office in a counterpart foreign application not more than three months prior to the filing of this IDS. As to the remaining information, the undersigned hereby states that no item of this remaining information contained in the IDS was cited in a communication from a foreign Patent Office in a counterpart foreign

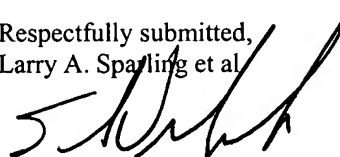
application or, to the knowledge of the person signing the statement after making reasonable inquiry, no item of information contained in the IDS was known to any individual designated in 37 C.F.R. 1.56(c) more than three months prior to the filing of this statement.

III. PAYMENT OF FEES

- ☐ A check in the amount of _____ is enclosed for the above-identified fee(s).
☐ Please charge Deposit Account **502117** in the amount of \$____ for the above-indicated fee(s).
Enclosed is a Fee Transmittal in duplicate.
☒ If Applicant has overlooked any additional fees, or if any overpayment has been made, the Commissioner is hereby authorized to credit or debit Deposit Account **502117**. Enclosed is a Fee Transmittal in duplicate.
☐ Two Copies of this paper are attached for Deposit Account charges and debits.

The above references are being cited only in the interests of candor and without any admission that they constitute statutory prior art or contain matter which anticipates the invention or which would render the same obvious, either singly or in a combination, to a person of ordinary skill in the art.

Respectfully submitted,
Larry A. Spaulding et al.



Thomas V. Miller
Attorney for Applicant(s)
Reg. No. 42,002
Tel. 847-862-0153

MOTOROLA, INC.
Customer Number 22917

Enclosures: ☒ Information Disclosure
Statement by Applicant
☐ References
☐ Foreign Search Report
☐ Other:

Complete if Known

Application Number	10/721,030
Filing Date	November 24, 2003
First Named Inventor	Larry A. Sparling
Group Art Unit	
Examiner Name	Dorothy Riley
Attorney Docket Number	IS01246AP

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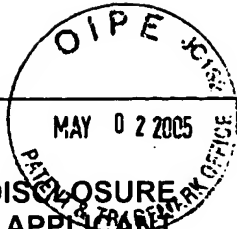
U. S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number -Kind Code ² (if known)			
		US - 6462976	10-08-2002	University of Arkansas	
		US – 5641944	06-24-1997	Allen-Bradley Company	
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FOREIGN PATENT DOCUMENTS							
Examiner Initials*	Cite No. ¹	Foreign Patent Document		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³	Number ⁴ Kind Code ² (if known)				

Date
Considered

¹ Unique citation designation number. ² See Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English Language Translation is attached.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.



INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Complete if Known

Application Number	10/721,030
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Group Art Unit	
Examiner Name	Dorothy Riley
Attorney Docket Number	IS01246AP

Sheet

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NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²

Examiner Signature		Date Considered	
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EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation, if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² Applicant is to place a check mark here if English Language Translation is attached.

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